

U.S. Serial No.: 09/963,565

curved surface of said screen and an image control section outputting an image signal depending on said image data;

an image projector for processing light from said three color emission light source by use of the image signal outputted from said image generator and for projecting an image on said screen of the predetermined curved surface, and

a projection optical system through which the image is projected to said screen,

wherein said image projector allows an aberration shape of an optical system on a projected image to substantially coincide with the shape of the predetermined curved surface of said screen.

a2 5. (Amended) The display device according to claim 1,
wherein the surface shape of said screen is continuous with peripheral members including a support member in the vehicle, in which the display device is built in, in design.

6. (Amended) The display device according to claim 1,
wherein said screen is divided into a plurality of projection sections,
each projection section is arranged so as to be directed to a driver and/or passengers in the vehicle,

said image projector projects different display information to each of the projection sections, and

said projection sections includes a first projection section to be displayed with the information necessary to the driver, a second projection section to be displayed with the

U.S. Serial No.: 09/963,565

information necessary to both the driver and the passengers, and a third projection section to be displayed with the information unnecessary to the driver for the driver.

7. (Amended) A display device to be installed in an instrument panel of a vehicle, comprising:

a light source;

a color separation device for separating light from said light source into three primary colors of RGB;

an integrator for controlling the light from said color separation device so as to make the light uniform in brightness and substantially parallel;

a screen having a predetermined curved surface;

image generating means for outputting an image-signal of an image to be displayed, said image generating means including an image data previously distorted according to the predetermined curved surface of said screen and an image control section outputting an image signal depending on said image data;

image projecting means for processing light from said integrator by use of the image signal outputted from said image generating means and for projecting an image on said screen of the predetermined curved surface, and

a projection optical system through which the image is projected to said screen,

wherein said image projecting means allows an aberration shape of an optical system on a projected image to substantially coincide with the shape of the predetermined curved surface of said screen.

U.S. Serial No.: 09/963,565

93 8. (Added) A display device to be installed in an instrument panel of a vehicle, comprising:

a light source;

an image generator for outputting an image signal of an image to be displayed;

an image projector for processing light from said light source by use of the image signal outputted from said image generator;

a beam splitter for dividing light from said light source into a first and a second pictures;

a total reflection mirror for receiving and reflecting the second picture from said beam splitter; and

a screen including a pair of lenticular lenses and a light diffusion layer intervening between said lenticular lenses, said screen receiving the first picture from said beam splitter and the second picture from said total reflection mirror to display a stereoscopic image.

REMARKS

I. Introduction

Claims 1-8 are pending in the above application.

Claims 1 and 3-7 stand rejected under 35 U.S.C. §102.

Claim 2 stands rejected under 35 U.S.C. §103(a).

Claims 1, 7 and 8 are independent claims.

II. Amendments

Claims 1, 5, 6 and 7 have been amended and new claim 8 has been added. No new matter has been added.